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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Alan Gatherer, et al.

Docket No.: TI-30024

Serial No.: 09/772,499

Examiner: TBD

Filed: 01/29/2001

Art Unit: 2634

For: MAP Decoding With Parallelized Sliding  
Window Processing

Conf. No.: 1361

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**MAILING CERTIFICATE UNDER 37 C.F.R. § 1.8(a)**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450 on

*September 13, 2004*  
*Elizabeth Austin*  
Elizabeth Austin

Dear Sir:

In response to the Search Report received from the European Patent Office (a copy of which is enclosed), Applicant wishes to bring to the attention of the U.S. Patents and Trademarks Office the information noted on the enclosed PTO-1449. Copies of the cited references are enclosed.

No fee is believed by Applicant to be due; however, the Commissioner is hereby authorized and requested to charge any necessary fee to the deposit account of Texas Instruments Incorporated, Account No. 20-0668.

Respectfully submitted,

*Ronald O. Neerings*

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Substitute for Form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				Complete If Known	
Sheet	1	of	2	Application Number	09/772,499
				Filing Date	01/29/2001
				First Named Inventor	Alan Gatherer, et al.
				Group Art Unit	2634
				Examiner Name	TBD
				Attorney Docket No.	TI-30024

<b>U.S. PATENT DOCUMENTS</b>					
Exam. Initials *	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Doc.	Date of Pub. of Cited Doc. (mm-dd-yy)
		Number	Kind Code <sup>2</sup> (if known)		
AA					
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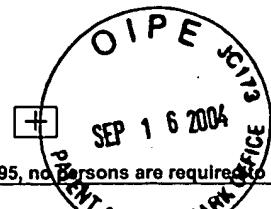
<b>FOREIGN PATENT DOCUMENTS</b>					
Exam. Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Name of Patentee or Applicant of Cited Doc.	Date of Pub. of Cited Doc. (mm-dd-yy)
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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Approved for use through 10/31/2002. OMB 0651-0031

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet	2	of	2	Attorney Docket No.	TI-30024
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Exam. Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
	CA	"Reconfigurable Signal Processor For Channel Coding and Decoding in Low SNR Wireless Communications", Halter, S., et al. Signal Processing Systems, 1998. SIPS 98. 1998 IEEE Workshop on Cambridge, MA, USA, 8-10 Oct. 1998, New York, NY, pp. 260-274, XP010303741, ISBN: 0-7803-4997-0			
	CB	"Soft-Output Decoding Algorithms In Iterative Decoding of Turbo Codes", Benedetto, S., et al., TDA Progress Report, February 1996, pp. 63-87, XP002932926			
	CC	"Fixed Point Implementation For Turbo Codes", Tri Ngo, Ingrid Verbauwhede, Article from the Internet, 'Online, 1999, XP002290784, Retrieved from the Internet: URL: www.ucop.edu/research/micro/98_99/98_161.pdf> 'retrieved on 2004-07-29			
	CD	"Optimal Decoding of Linear Codes for Minimizing Symbol Error Rate", Bahl, L.R., et al., March 1974, IEEE Transactions on Information theory, IEEE Inc. New York, US, pp. 284-287, XP000760833, ISSN: 0018-9448			
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Examiner Signature		Date Considered	
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